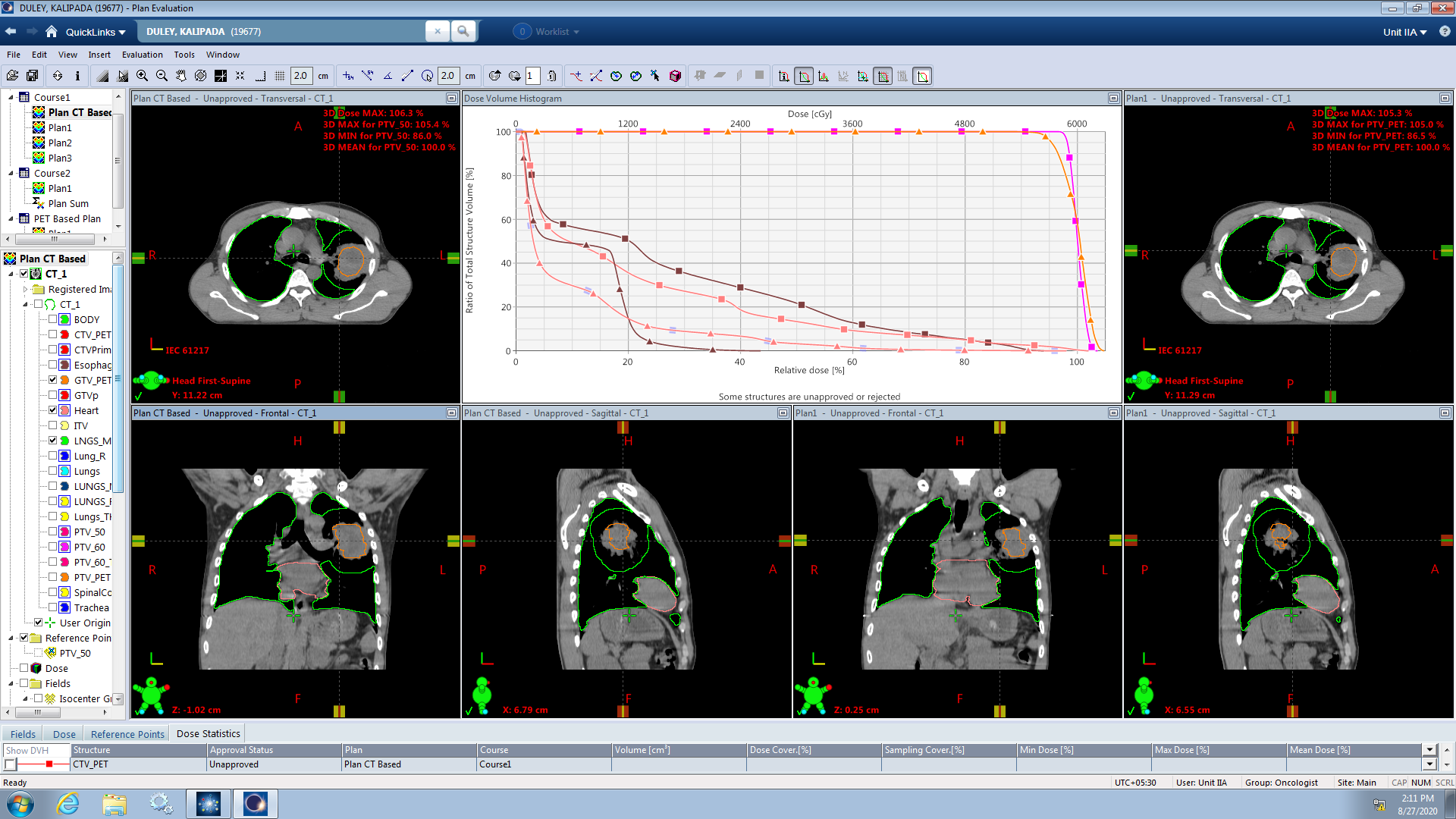


**Figure 6:** Contouring on PET-CT & planning CECT fused image



**Figure 7:** Dose Volume Histogram (DVH) & contouring of tumor at different sections

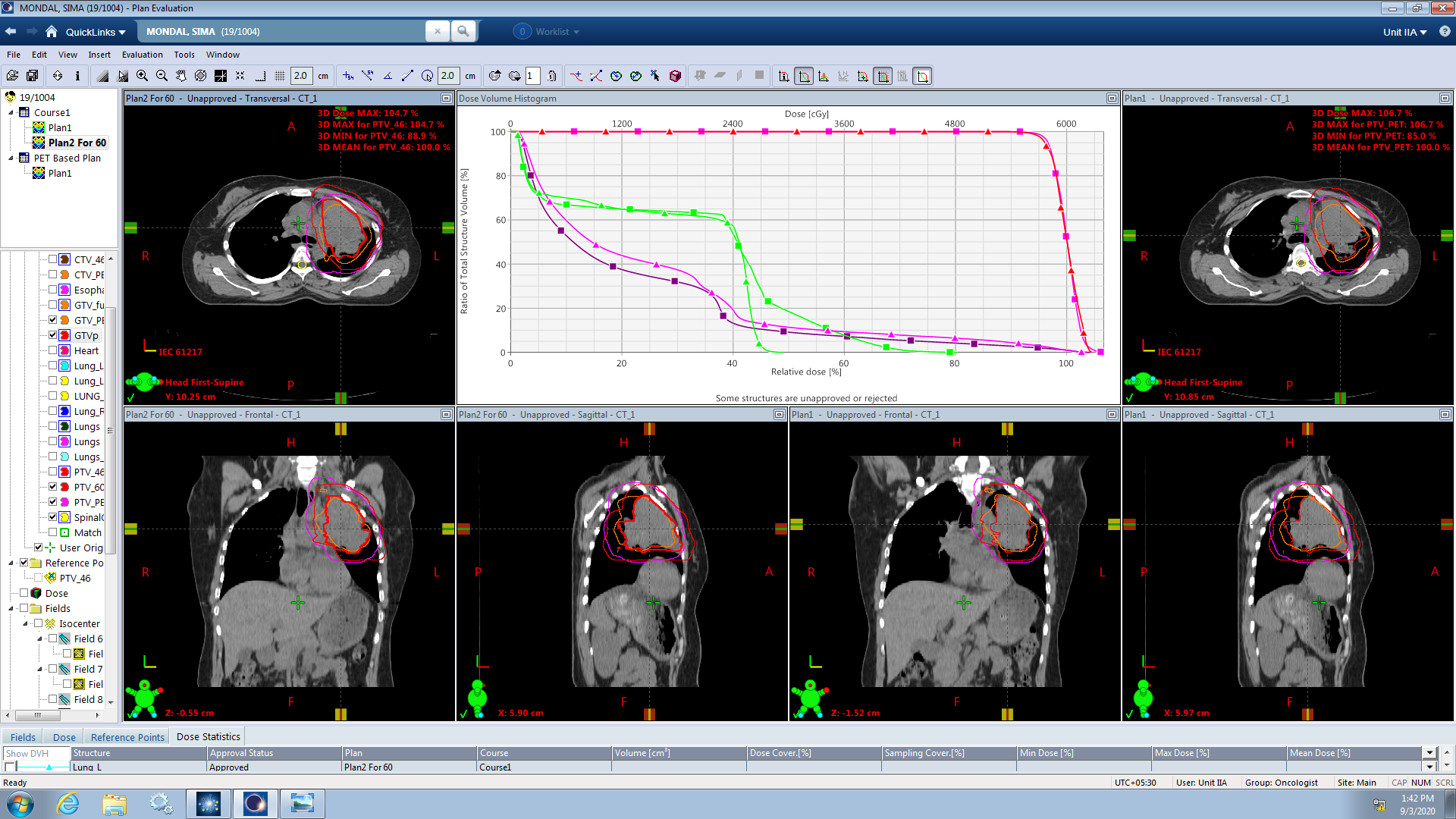
**CECT Based Plan**

**PET Based Plan**

≡ PTV coverage ≡ PTV coverage

≡ Dose on Esophagus ≡ Dose on Esophagus

≡ Dose on Heart ≡ Dose on Heart



**Figure 8:** DVH & contouring of tumor at different sections

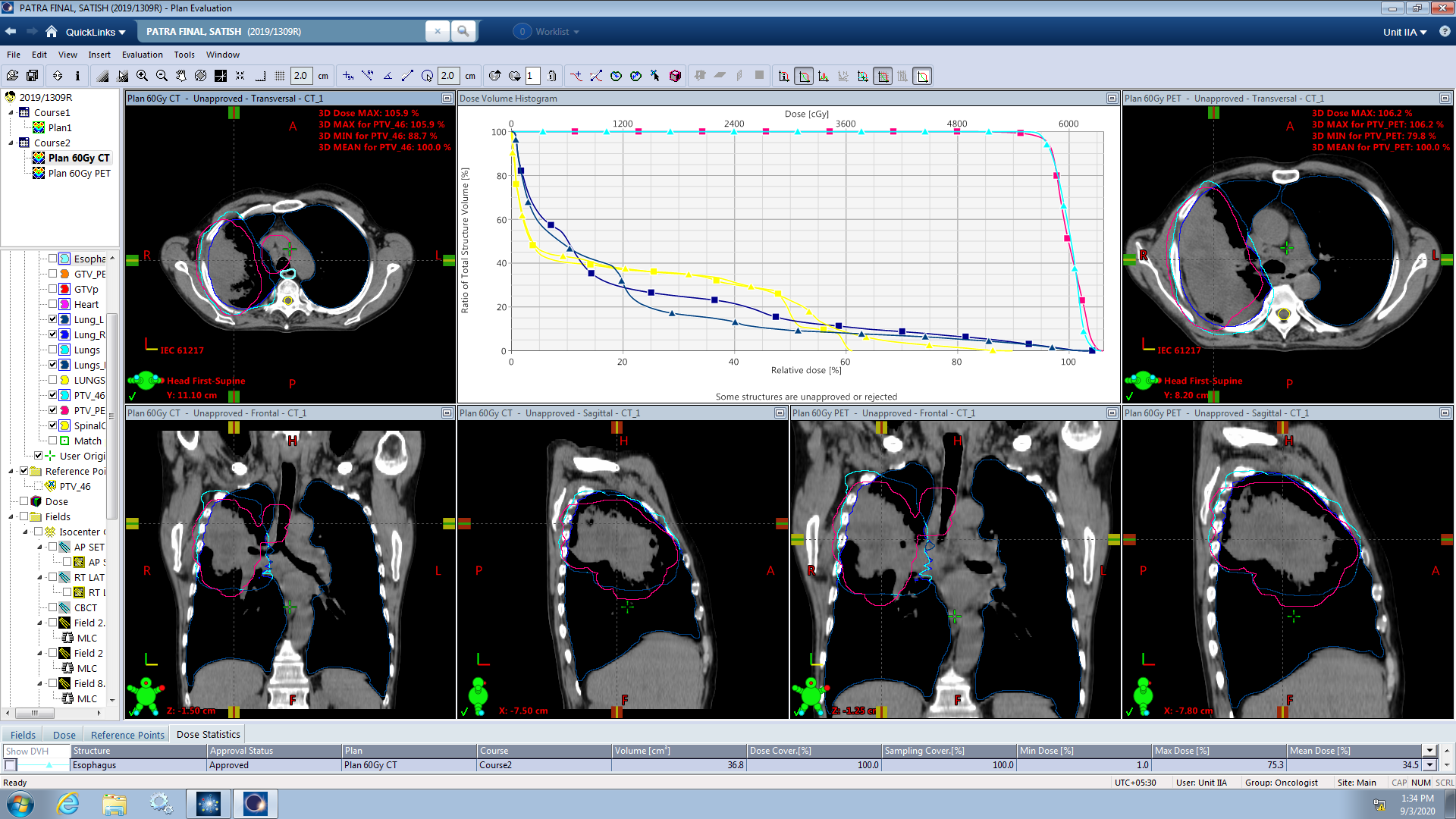
**PET Based Plan**

**CECT Based Plan**

≡ Dose on Spinal cord ≡ Dose on Spinal cord

≡ Dose on Heart ≡ Dose on Heart

≡ PTV coverage ≡ PTV coverage



**Figure 9:** DVH & contouring of tumor at different sections

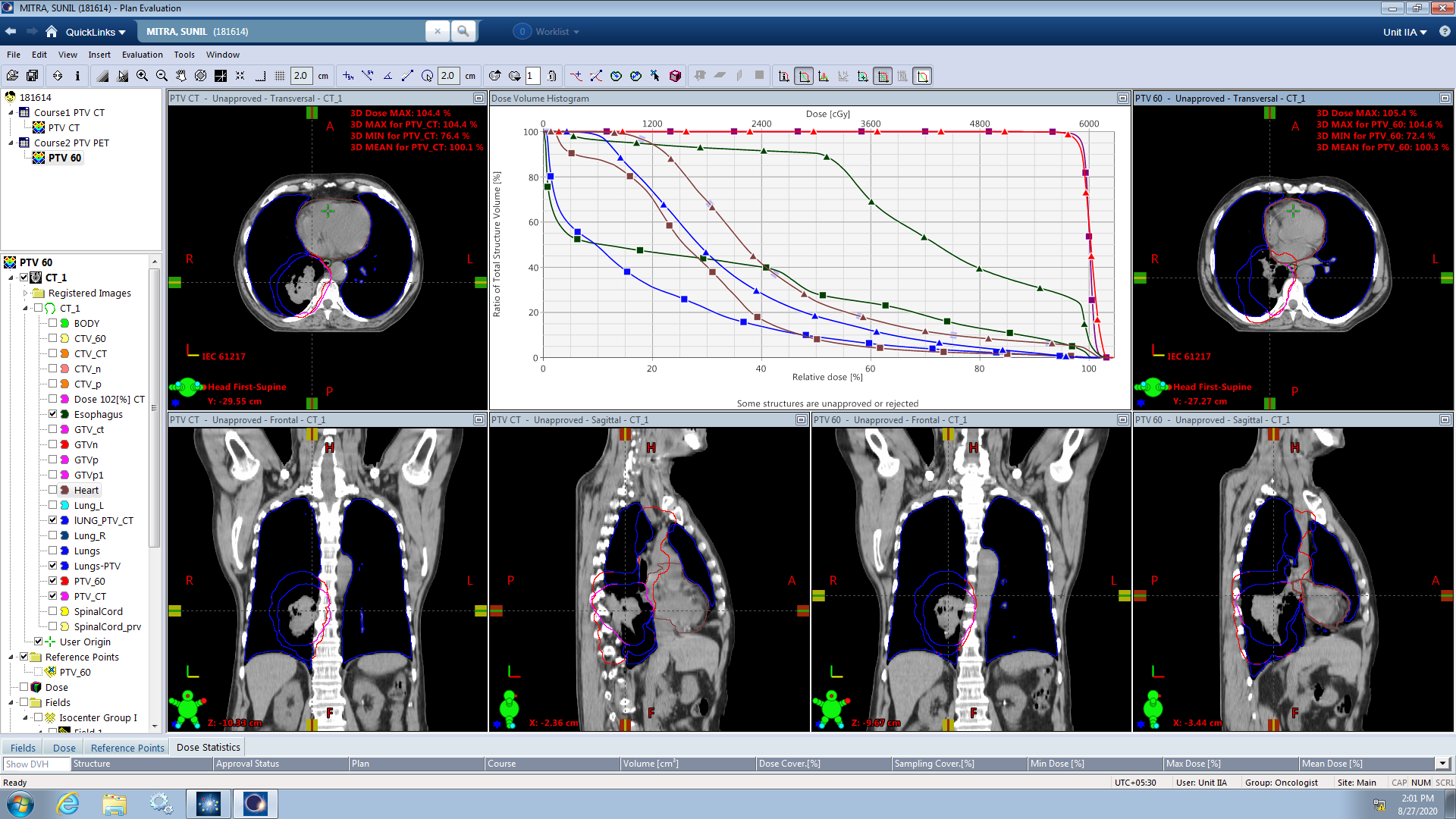
**PET Based Plan**

**CT Based Plan**

≡ PTV coverage ≡ PTV coverage

≡ Dose on contralateral lung ≡ Dose on contralateral lung

≡ Dose on Spinal cord ≡ Dose on Spinal cord



**Figure 10: DVH & contouring of tumor at different sections**

**CECT Based Plan**

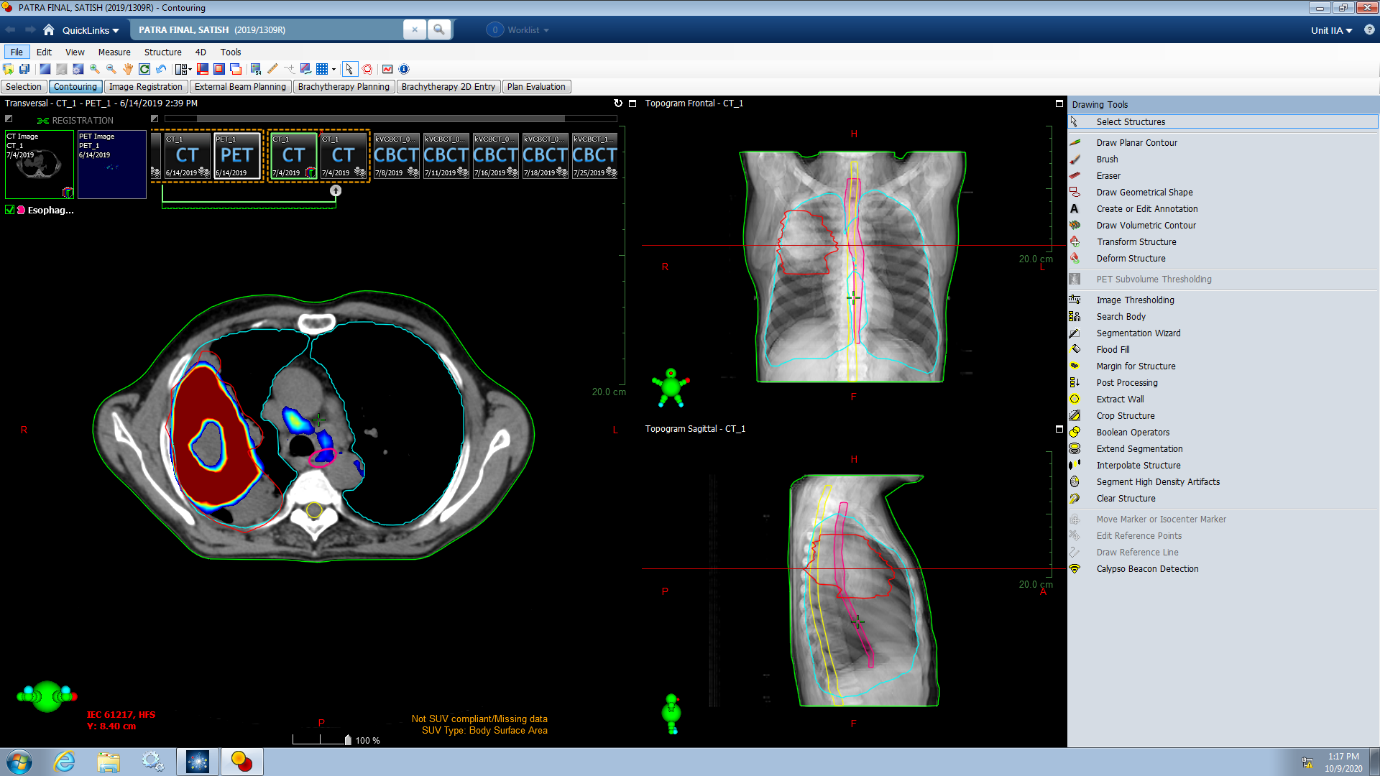
**PET Based Plan**

≡ PTV coverage ≡ PTV coverage

≡ Dose on Eshophagus ≡ Dose on Esophagus

≡ Dose on Heart ≡ Dose on Heart

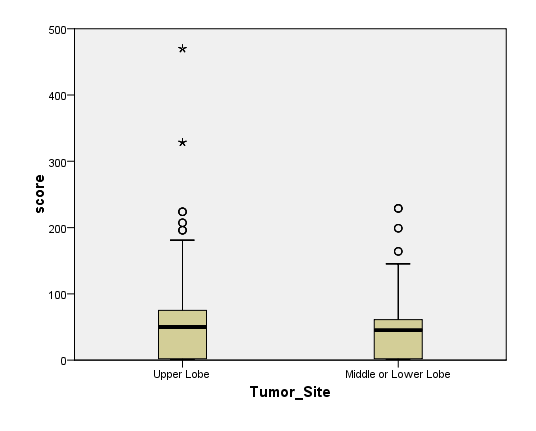
≡ Mean lung dose ≡ Mean lung dose



**Figure 11:** Planning CECT & PET–CT fused image showing GTV and atelectasis inside tumor



**Figure 12:** Planning CECT, PET-CT & fusion image shows Gross tumor volume



**Figure 13:** Box-Whisker plot showing comparison of parameters based on **Tumor sites**

**Figure 14**: Bar diagram showing demographic characteristics of study population

**Figure 15**: Pie chart showing distribution of tumor staging

**Figure 16**: Pie chart showing distribution of nodal staging